

Example Configuration Data File for the Primary Name Server of the foo.IBM.com Zone

```
205    primary      foo.IBM.com      db.foo.IBM
210    primary      stanford.edu    db.stanford
...

```

Figure 2A

Example db.foo.IBM Zone Data File for the foo.IBM.com Zone

```
foo.IBM.com. IN SOA ns1.WebHostingCompany.com. postmaster.WebHostingCompany.com. (
;; information for slave name servers
        1837      ;;; serial number for this version of the zone data file
        1800      ;;; refresh after 30 minutes
        900       ;;; retry after 15 minutes
       86400     ;;; expire after 1 week
        1800      ;;; minimum Time To Live (TTL) of 30 minutes
)
;; name servers for the zone
        IN      NS      ns1.WebHostingCompany.com.
        IN      NS      bar
;; mail server
        IN      MX      5 mailserver.WebHostingCompany.com.
;; addresses
        @      IN      A      216.23.39.188
        foo    IN      A      216.23.39.180
        bar    IN      A      216.23.46.83
;; aliases
        smtp   IN      CNAME  @
        www    IN      CNAME  @@
        ftp    IN      CNAME  foo.foo.IBM.com.
        bigdaddy IN      CNAME  bar

```

Figure 2B

Example Partial Zone Data File for the IBM.com Zone

```
;; delegation of subzone foo.IBM.com to authoritative name servers for the subzone
foo          86400  IN      NS      ns1.WebHostingCompany.com.
              86400  IN      NS      bar.foo.IBM.com.
bar.foo.IBM.com. 86400  IN      A      216.23.46.83

```

Figure 2C



THE SOURCE FOR .CC DOMAIN NAMES

300

Register Your .CC Domain Now!

DOMAIN NAME:

.CC

SUBMIT



NEW NAME



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

303

304

Now offering International
Character Domains **域名**
[CLICK HERE TO REGISTER](#)

LATIN-1 NOW AVAILABLE!
Español Français
Deutsch and 16 MORE...

WIN UP To \$35,000
If your site is selected as the
Best Designed .CC Web Site
[ENTER NOW](#)

WEB HOSTING
STARTING AT **\$9.99/mo!**



ENIC HOME

Welcome to the eNIC network information center. We are proud to announce a wealth of domain name services such as faster domain name registration, unmatched technology and domain availability, as well as immediate domain management and editing.

If you have experienced trouble in the past while trying to get your name on the web, you have come to the right place. The .cc TLD makes domain names that were unavailable in the past, now available to you. Register now and find the best domain for your company or personal endeavor.

eNIC provides **FREE** web and **email** forwarding with a paid domain registration.

.CC names work worldwide exactly as do .COM names.

If you have any questions regarding your domain name please email hostmaster@nic.cc.

DOMAIN NAME:

.CC

SUBMIT

Type a domain name in the box above to check availability of a .CC domain name and register it.

**Interested in receiving commissions for the promotion of .cc
domain sales through a banner or with your own registration
site? [Join eNIC's Partner Program.](#)**

[NEW NAME](#) • [EDIT DNS](#) • [WHO IS?](#) • [POLICIES](#)
[PAYMENTS](#) • [FAQ](#) • [HOME](#)

Fig. 3A

REGISTER A NEW NAME

Select an encoding

繁體中文 Chinese (Big 5) Traditional	簡體中文 Chinese (GB) Simplified	日本語 Japanese (SJIS)	日本語 Japanese (EUC)	한국어 Korean (KSC)
---	---------------------------------------	---------------------------	--------------------------	------------------------

Big 5 | GB2312 | Shift JIS | EUC-JP | KSC5601

Latin 1 (ISO 8859-1)

Afrikaans Afrikaans	Shqip Albanian
Euskara Basque	Català Catalan
Dansk Danish	Nederlands Dutch
Føroya Faroese	Suomea Finnish
Français French	Deutsch German
Íslensku Icelandic	Gæilge Irish
Norsk Norwegian	Portuguís cv/br/eu Portuguese
României Rhaeto-Romanic	Scotts Gæilge Scottish
Español Spanish	Kiswahili Swahili
Svenska Swedish	MORE COMING SOON!



Fig. 3B

e|nic
THE SOURCE FOR .CC DOMAIN NAMES

REGISTER A NEW NAME

Search For a New Domain Name

312

DOMAIN NAME: .CC

Encoding iso8859-1 314

SUBMIT

International Domain Name Registration Surcharge:
Waived

310

NEW NAME ■ EDIT DNS ■ WHO IS?
POLICIES ■ PAYMENTS ■ FAQ ■ HOME

Fig. 3C

- 域名**
- IDOMAINE
- a 3C 0
- EDOMAINE
- EDIT DNS
- WHO IS?
- POLICIES
- PAYMENT
- FAQ'S
- CONTACT
- HOME


eNIC
 THE SOURCE FOR .CC DOMAIN NAMES

REGISTER A NEW NAME

Search For a New Domain Name

319 { Warning! *Changing the Encoding Type will reset the cart.*
BIG5 | KSC5601 | Shift-JIS | EUC-JP | GB2312

DOMAIN NAME:	삼성 회사 .cc
Encoding	KSC5601
<input type="button" value="SUBMIT"/> 316	

International Domain Name Registration Surcharge:
Waived

S
 315

[NEW NAME](#) ■ [EDIT DNS](#) ■ [WHO IS?](#)
[POLICIES](#) ■ [PAYMENTS](#) ■ [FAQ](#) ■ [HOME](#)

域名
 DOMAIN
 318
 .cc
 EDOMAIN
 EDIT DNS
 WHO IS?
 POLICIES
 PAYMENT
 FAQ'S
 CONTACT
 HOME

Fig. 3D

320

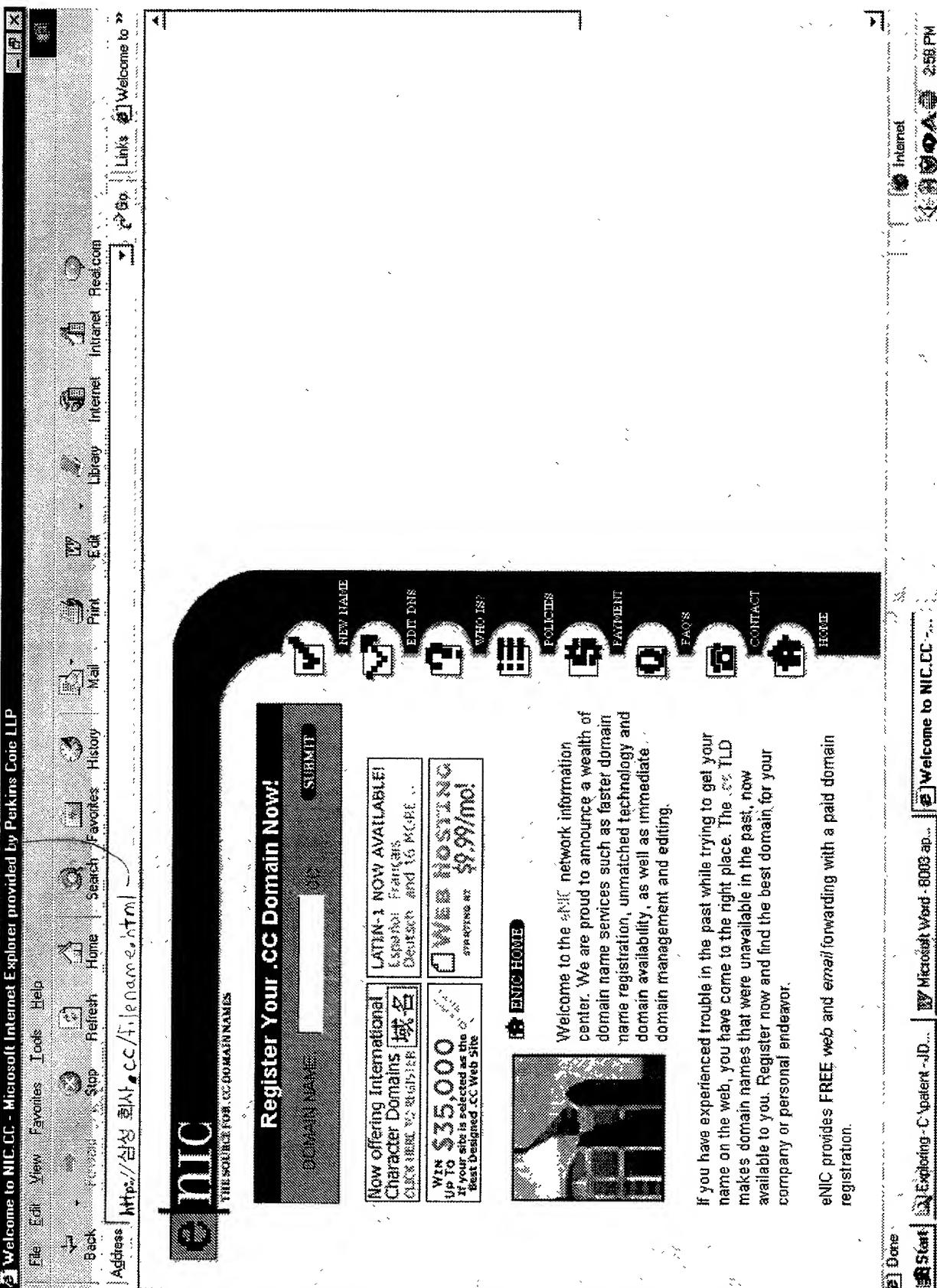
KSC5601: 0xC701 0xB1B9 ↵ 322
Unicode: U+D55C U+AD6D ↵ 323
UTF-5 ACE T55C QD6D ↵ 324

三
五

Figure 3F

Figure 3F

Welcome to NIC.CC - Microsoft Internet Explorer provided by Perkins Coie LLP



SAMSUNG DIGITAL
everyone's invited

all samsung websites

Search

三星 李熙會長 시모니 올림픽서 활동



三星 李熙會長이 시모니 올림픽 경기장에서 활동 활동으로 삼성전자 올림픽 매체의 성과를 높이고 있다.

(2000년 9월 6일 / 삼성 more >)

... MORE ... MORE

삼성 시모니 하늘을 타고 가로수를 놓는다



삼성 시모니 공식 퍼레이싱 삼성은 연류 호흡의 재인 2000년 시모니 올림픽의 성공적 개최를 위해 초

의 노력을 다하고 있다.

(2000년 9월 6일 / 삼성 more >)

삼성 시모니 세계 최초 고속 머리 출시



삼성전자 디램은 가3 차원 압축성 및 동작률을 원격에 지원하는 세계 최초 최대 용량인 500Mbps(Bit Per Second) 고속 전용 128M DDR 삼드로프스 DRAM을 양산으로 개발하는데 성공 했습니다.

(2000년 9월 30일 / 삼성 more >)

삼성전자 창립 20주년 기념 행사는 세계 최초의 아침 축제 20명 축령



캐리비 애카소리티 등 글로벌이 삼성전자 창립 20주년에 맞춰 20현 박은 강연 4명의 현장을

함께 학습했습니다.

(2000년 9월 29일 / 삼성 more >)

27일은 시모니 특별한 날



제27회 올림픽이 열리고 있는 죽은 시모니에 한복의 비단이 놓고 있다.

(2000년 9월 27일 / 삼성 more >)

삼성전자 대표 트리뷴

Quick Link

Select

▶ 삼성전자

▶ 삼성미래

▶ 삼성증권

상품소개

삼성의 대표적 첨단
디지털 제품을
소개합니다.



다운로드



삼성 그룹

가족보 '삼성월드'

진출한

④ 삼성 사람들을
만나실 수 있습니다.



2000-10-

종목	지수
KOSPI	598.45 ▼
KOSDAQ	95.79
KOSPI200	74.32

330

Fig. 3G

Example Multilingual Domain Name Registry Database

	337	339	
	ASCII And ASCII-Compatible Encoding Domain Names	Registrant	
340	alpha.cc	Bob Smith	
342	amethyst-rings.cc	Jim Jones	
344	:		
346	race.cc	Helen Keller	
348	ra-b971b054.cc	Chun Ahn	
350	ra-t55cq6d.cc	Doug White	
352	reckless.cc	Billy TheKid	
	:		

Figure 3H

Example db.CC Zone Data File for a “.CC” Zone

```

cc.          IN      SOA     ns1.nic.cc.           postmaster.nic.cc.      (
;;, information for slave name servers
        1837      ;; serial number for this version of the zone data file
        1800      ;; refresh after 30 minutes
        900       ;; retry after 15 minutes
       86400     ;; expire after 1 week
        1800      ;; minimum Time To Live (TTL) of 30 minutes
        )

;;, name servers for the zone
        IN      NS      ns1.nic.cc.
        IN      NS      ns2.nic.cc.
        IN      NS      ns1.globaldns.com.

;;, addresses
        @       IN      A      226.23.39.188
        alpha   IN      A      225.78.83.242
        amethyst-rings IN      A      178.123.32.138
        :
        ns1.nic   IN      A      225.31.53.23
        :
        race     IN      A      225.31.32.45
        reckless IN      A      67.79.35.15
        :
        *       IN      A      234.71.83.24

```

Figure 3I

Example Multilingual Domain Name Binary Variants Database

	362	364	366	368
	Binary Variants	Corresponding Registered Domain Name	Encoding Type	Primary Or Secondary
370	b971b054	ra--b971b054.cc	Big 5	1
371	1b244245453f76	ra--b971b054.cc	JIS	0
372	93649075	ra--b971b054.cc	Shift-JIS	0
373	b5e7d1b6	ra--b971b054.cc	GB2312	0
374	b5e7d38d	ra--b971b054.cc	GB2312	0
375	b971b074	ra--b971b054.cc	Big 5	0
376	c2b971c2b054	ra--b971b054.cc	“Dumb UTF-8”	0
377	c2b971c2b074	ra--b971b054.cc	Lower-cased “Dumb UTF-8”	0
378	c5c5bfd6	ra--b971b054.cc	EUC-JP	0
379	e794b5e8a88a	ra--b971b054.cc	UTF-8	0
380	e794b5e8aeaf	ra--b971b054.cc	UTF-8	0
381	e99bbbe8a88a	ra--b971b054.cc	UTF-8	0
382	e99bbbe8aeaf	ra--b971b054.cc	UTF-8	0
383	eb8ad1b6	ra--b971b054.cc	GB2312	0
384	eb8ad38d	ra--b971b054.cc	GB2312	0
385	efb3e3f2	ra--b971b054.cc	KSC 5601	0
386		⋮		
	cd38s193	ra--cd38s193.cc	KSC 5601	1
		⋮		

Figure 3J

Example ACE Forwarding Database

	388	389	
	ACE Domain Names	URL Forwarding	
394	⋮		
	ra--b971b054.cc	228.32.98.20	
396	ra--t55cqdd6d.cc	http://www.samsung.com/korean.html	...
	⋮		

Figure 3K

Domain Registered in Traditional Chinese Big 5

電訊.cc

Traditional Chinese Big 5 (1 variant)

電配

Simplified Chinese GB (4 variants)

電訊 電讯 电訊 电讯

Japanese Shift-JIS (1 variant)

電訊

Japanese JIS (1 variant)

Does not display correctly.

Japanese EUC-JP (1 variant)

電訊

Fig. 3L

Korean KSC (1 variant)

電訊

UTF-8 (6 variants)

1q°T 1q°t 電訊 電讯 电訊 电讯

The screenshot shows the homepage of the .CC: The Universal Internet Address website. At the top, there's a banner with the text ".CC: The Universal Internet Address". Below the banner is a navigation menu with links: Home, Services, Domain Management, Partner Center, Policy, Investor Relations, Careers, Shopping Cart, News, Contact Us, and About. The main content area features a large heading "English only? Not here!" followed by a paragraph about the site's multilingual capabilities. It also includes sections for "Register a Domain", "Multilingual Whois", "English to CJK Translator", "Lookup by Reference Code", and "Multilingual INFO/FAQ".

English only? Not here!

[Register a Domain](#)

[Multilingual Whois](#)

[English to CJK Translator](#)

[Lookup by Reference Code](#)

[Multilingual INFO/FAQ](#)

Pick the language that works for you. We did the work to make it easy. You can register your site in more than 28 active Asian, Middle Eastern and European languages.

This is not a test. Our system works.

While some of our competitors provide a "testbed" version of multilingual software, we've delivered a fully-functional system that works for thousands of dot.cc customers.

We provide different forms of the same languages, so you can register your site in traditional and simplified Chinese or different Japanese character sets. We make it easy to ensure that all variants of a domain name point to the same site.

We're bringing the world to the World Wide Web.

Select a Language or Encoding to use:

[Asian](#) | [Arabic](#) | [Hebrew](#) | [European / Afrikaan / Americas](#)

Asian Language

(Chinese / Japanese / Korean encodings)

繁體中文 Chinese	簡體中文 Chinese	日本語 Japanese	日本語 Japanese	한국어 Korean
Big5 Traditional Big 5	GB Simplified GB 2312	SJIS Shift-JIS	EUC EUC-JP	KSC KSC 5601

Fig. 3M

Arabic Language

(ISO 8859-6 encoding)

العربية Arabic	فارسي Persian	اردو Urdu
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Hebrew Language
(ISO 8859-8 encoding)

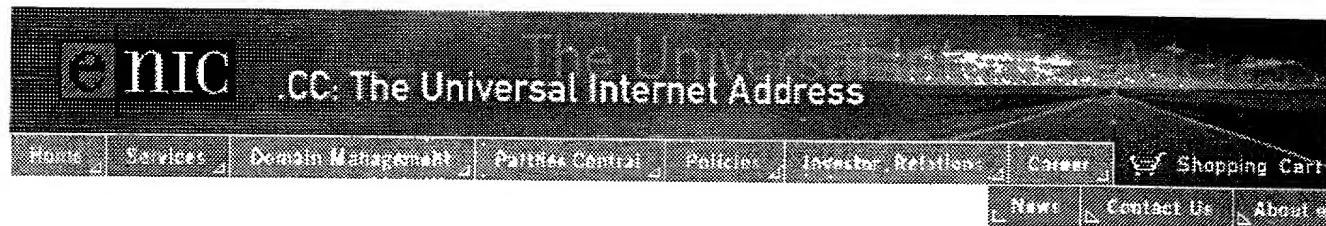
עברית
Hebrew

יידיש
Yiddish

Latin 1 Language
(ISO 8859-1 encoding)

Afrikaans	Shqip
<u>Afrikaans</u>	<u>Albanian</u>
Euskara	Català
<u>Basque</u>	<u>Catalan</u>
Dansk	Nederlands
<u>Danish</u>	<u>Dutch</u>
Føroya	Suomea
<u>Faroese</u>	<u>Finnish</u>
Français	Deutsch
<u>French</u>	<u>German</u>
Íslensku	Gaeilge
<u>Icelandic</u>	<u>Irish</u>
Italiano	Norsk
<u>Italian</u>	<u>Norwegian</u>
Portuguís	României
<u>cv/br/eu Portuguese</u>	<u>Rhaeto-Romanic</u>
Scotts Gæilge	Español
<u>Scottish</u>	<u>Spanish</u>
Kiswahili	Svenska
<u>Swahili</u>	<u>Swedish</u>

Fig. 3N



The screenshot shows the eNIC website homepage. At the top, there's a banner with the text ".CC: The Universal Internet Address". Below the banner is a navigation bar with links: Home, Services, Domain Management, Partner Central, Policies, Investor Relations, Career, News, Contact Us, and About eNIC. A shopping cart icon is also present. The main content area features a section titled "Satisfied Customers" with a logo of a smiling person holding a globe. Below this is a large graphic with the text "Works For Me!" and a "SEARCH" button.

Search For a New Domain Name

Satisfied Customers



**Works
For Me!**

SEARCH

[Arabic](#) [Chinese Simplified](#) [Chinese Traditional](#) [Hebrew](#)
[Japanese EUC JP](#) [Japanese S JIS](#) [Korean](#) [Latin 1](#)

Changing the Encoding Type will reset the shopping cart.

Encoding Type: KSC5601

SEARCH

International Domain Name Registration Surcharge: **Waived**

[Services](#) | [Domain Management](#) | [Partner Central](#) | [Policies](#) | [Investor Relations](#) | [Career](#)

[News](#) | [Contact Us](#) | [About eNIC](#)

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Fig. 30

Fig. 3P

CJK Translation Dictionary

Register a Domain
Multilingual Whois
English to CJK Translator
Lookup by Reference Card
Multilingual ITC/FAQ

English word to look up Language / Encoding Chinese Simplified (GB 2312) Chinese Traditional (Big 5) Japanese (EUC-JP)

application

Services | Domain Management | Partner Central | Policies | Investor Relations | Career
News | Contact Us | About enic
© 2006, 2007 enic Corporation

The screenshot shows the eNIC website homepage. At the top, there's a banner with the text ".CC: The Universal Internet Address". Below the banner is a navigation bar with links: Home, Services, Domain Management, Partner Central, Policies, Investor Relations, Career, Shopping Cart, News, Contact Us, and About. The main content area features a search results page for the term 'application'. It includes a heading 'Search Results for 'application'' and a sub-heading 'Select up to 5 Domain names'. A large table lists various domain names related to 'application' with checkboxes next to them. At the bottom of the table are two buttons: 'Add to cart' and 'Clear All'.

Search Results for 'application'

Select up to 5 Domain names

Add to Cart

<input type="checkbox"/>	用途 .CC	application
<input type="checkbox"/>	应用 .CC	application
<input type="checkbox"/>	应用程序 .CC	application
<input type="checkbox"/>	申请书 .CC	application
not available	申请 .CC	application (form, etc.)
<input type="checkbox"/>	应用层 .CC	application layer
<input type="checkbox"/>	应用平台 .CC	application platform
<input type="checkbox"/>	应用程序界面 .CC	application programming interface
<input type="checkbox"/>	应用软件 .CC	application software
<input type="checkbox"/>	应用软体 .CC	application software
<input type="checkbox"/>	专用集成电路 .CC	Application-specific integrated circuit
<input type="checkbox"/>	商业应用 .CC	business application
<input type="checkbox"/>	客户应用 .CC	client application
<input type="checkbox"/>	网络应用 .CC	network application
<input type="checkbox"/>	网路应用 .CC	network application
<input type="checkbox"/>	实际应用 .CC	practical application
not available	招聘 .CC	take job applications
<input type="checkbox"/>	典型用途 .CC	typical application

Fig. 3Q

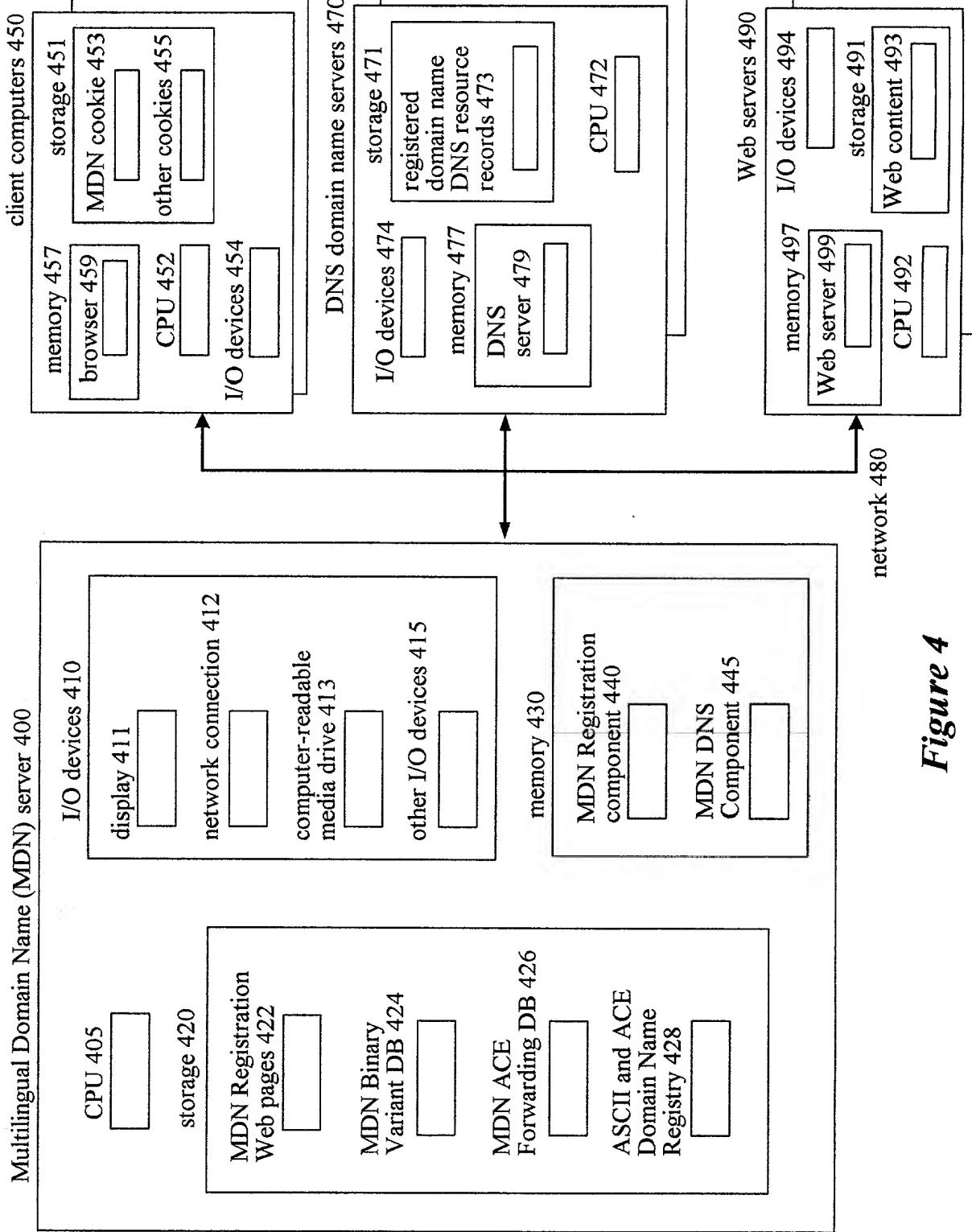


Figure 4

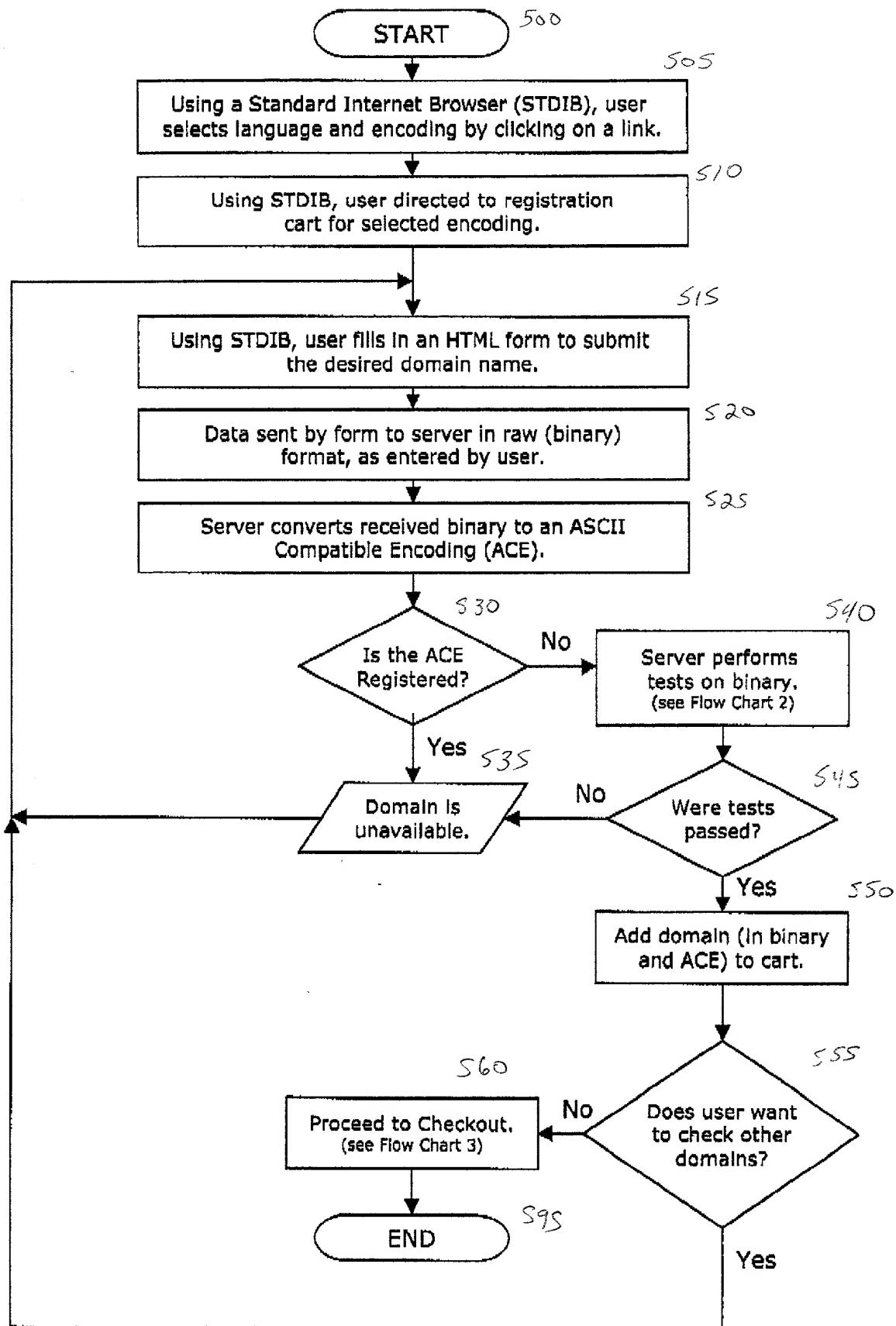


Fig. 5

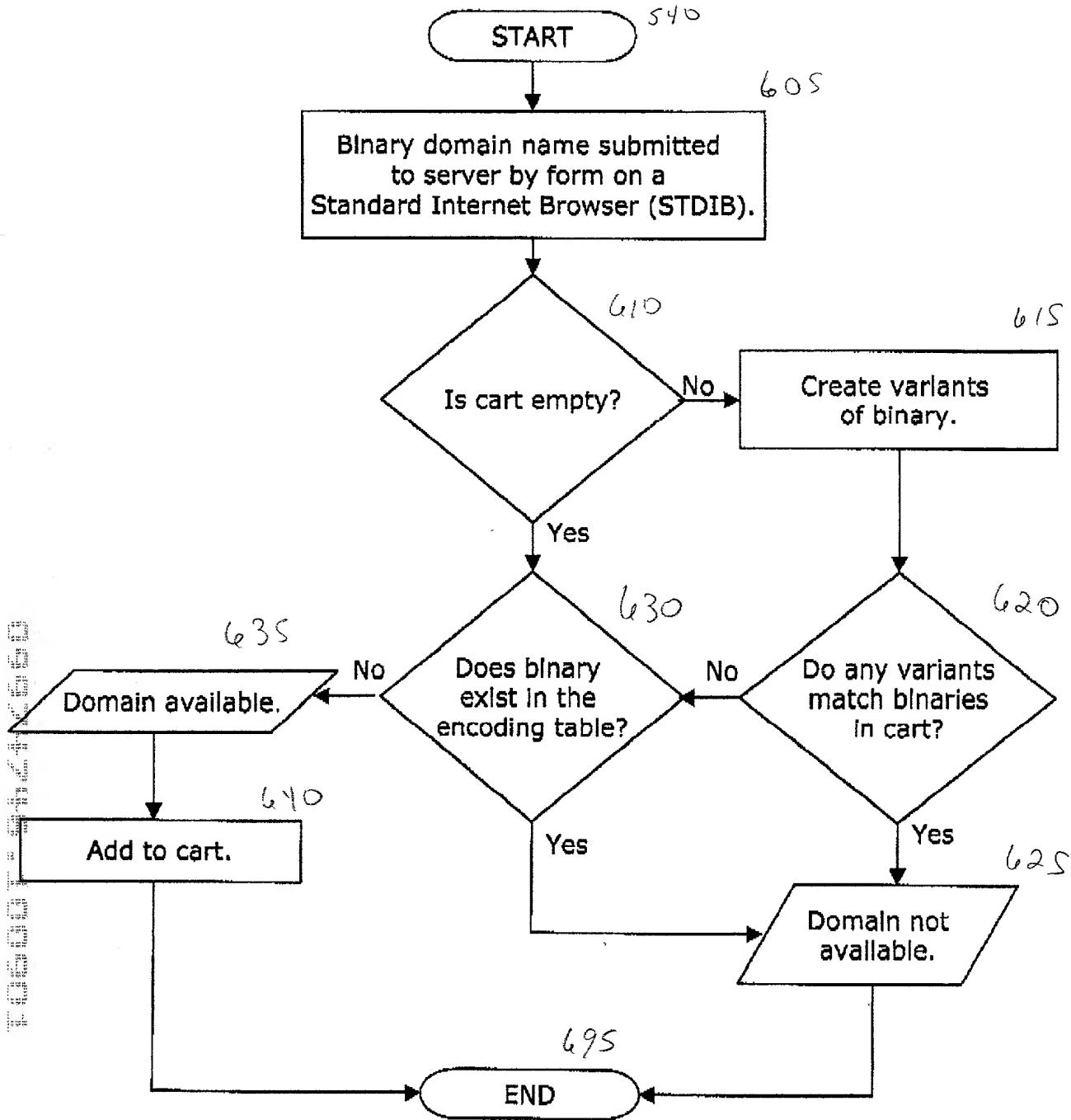


Fig. 6

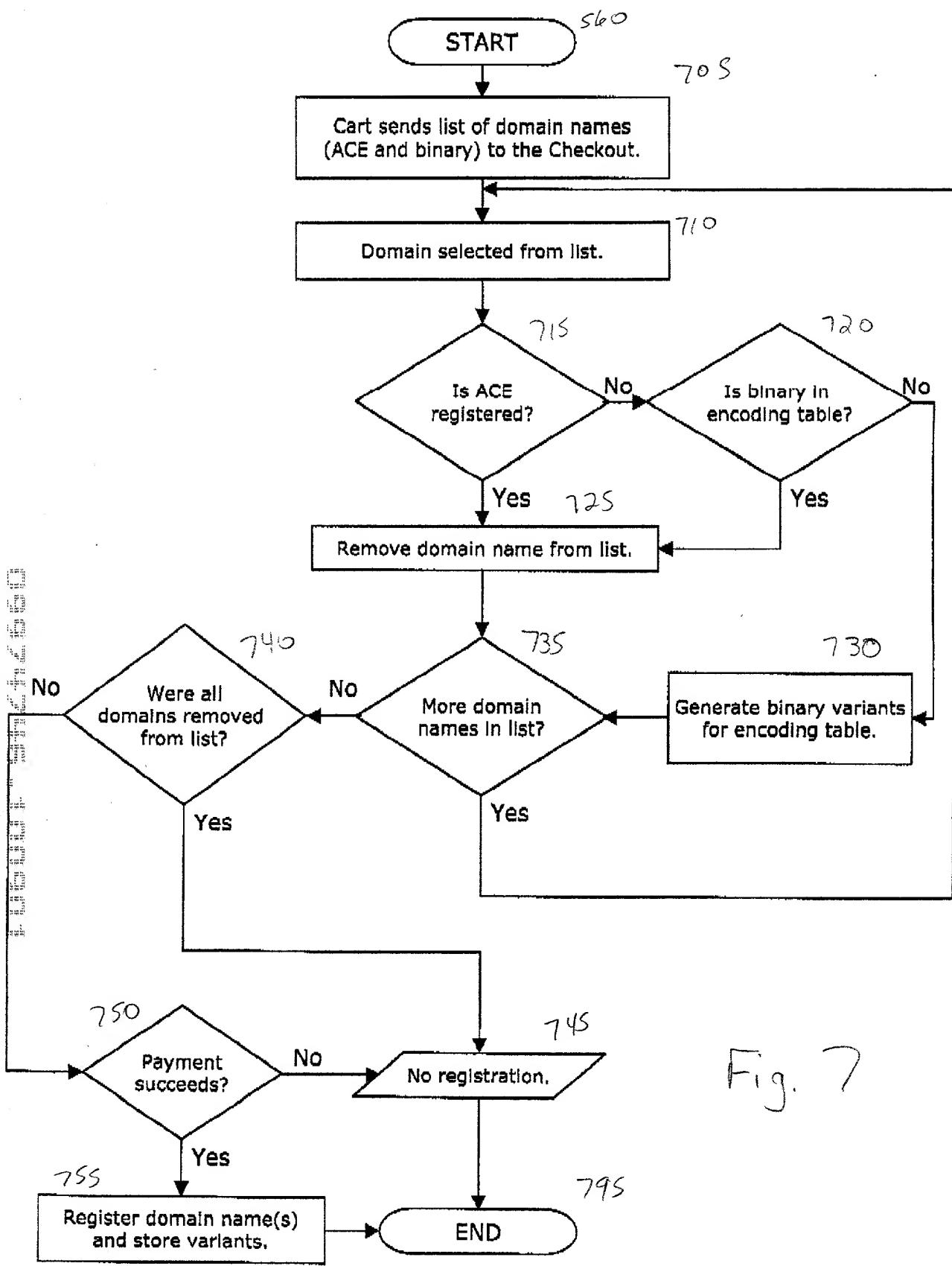


Fig. 7

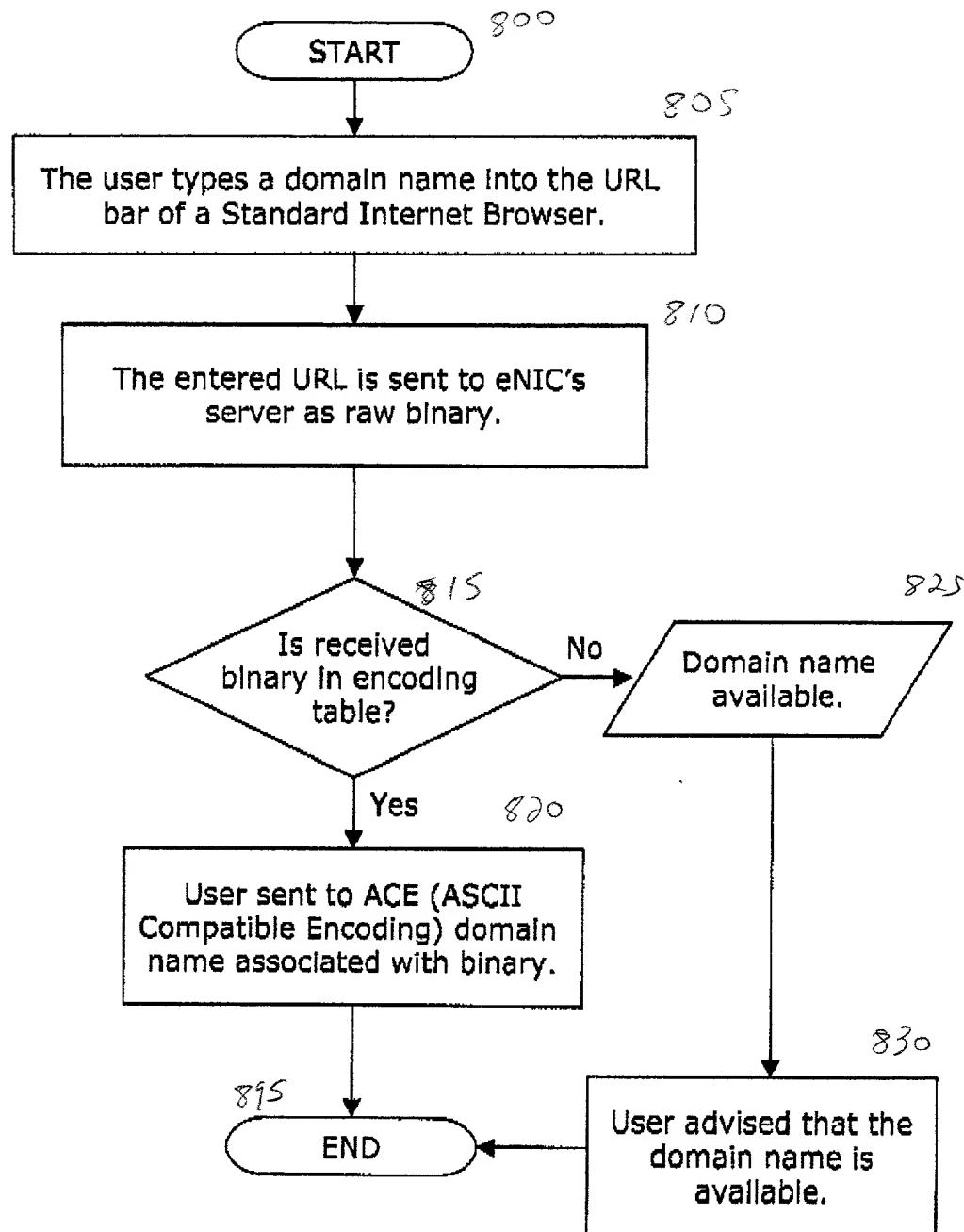


Fig. 8